User Manual v 6.0

December 2013

TB Comenius

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TB Comenius Software – Version 6.0

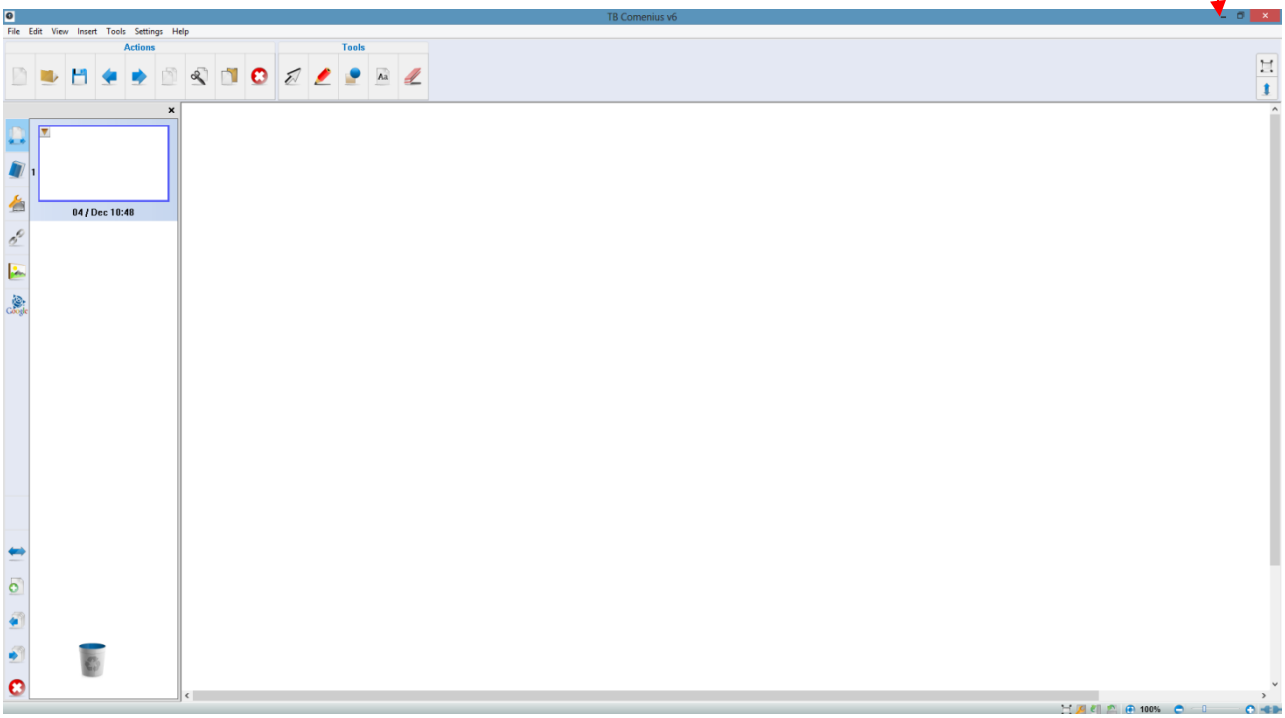
1) Software allows user to run / operate even no hardware connected.

***Note**:* some features will be disabled automatically if no hardware connected with the PC / Laptop

2) TRIUMPH BOARD MULTI Touch enables four users to write and draw simultaneously. Four touch inputs enhances this technology - allows four users simultaneously draw, write, move four objects and control (resize, rotate) two objects using two fingers per object in same time.
3) TRIUMPH BOARD MULTI Touch boards includes multi feature. While *two* fingers will be "Selection", "Resize" and "Rotation", five fingers will be "Eraser".
4) Software allows you to annotate your computer desktop. TB Comenius Software and system and the projector connect to your computer. The projector displays your computer desktop onto the whiteboard and the Software detects when you touch the board
5) There are 2 modes available for Software.
   a) Windows Mode - allowing user to use finger to control their computer desktop onto the whiteboard
   b) Whiteboard Mode - useful features for user to prepare presentation / teaching material

To turn to **Windows Mode**, click this "minimize".

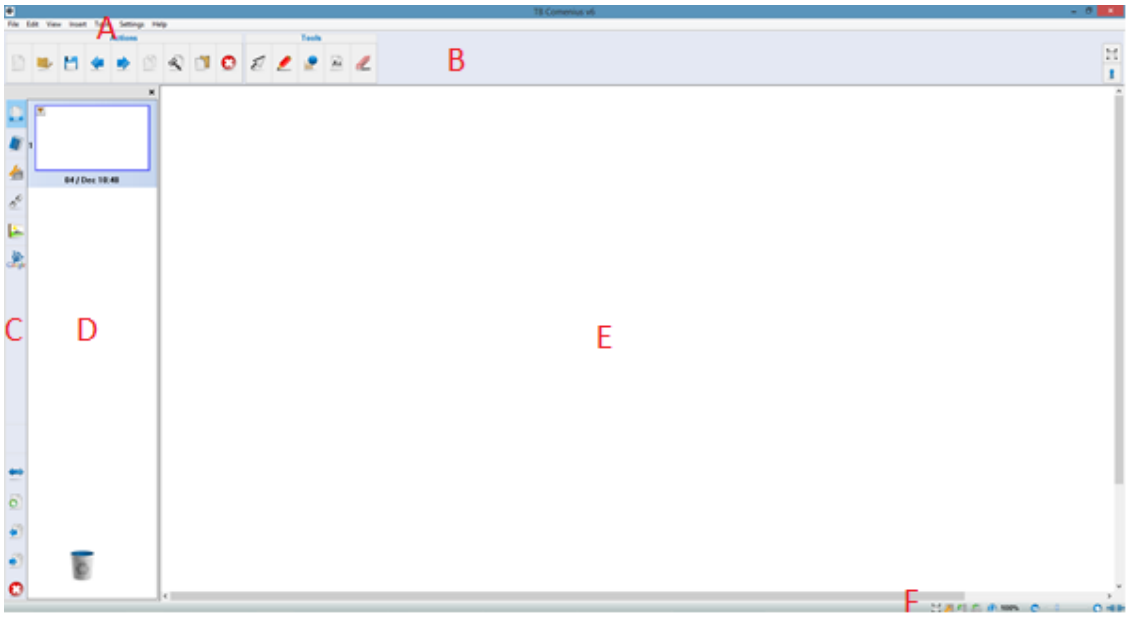
ad 5b) Whiteboard Mode



6) When writing words, each letter will be grouped automatically in 5 seconds, if user wants to select one of the letters, they need to ungroup to words by clicking icons on the right top corner.

Working area

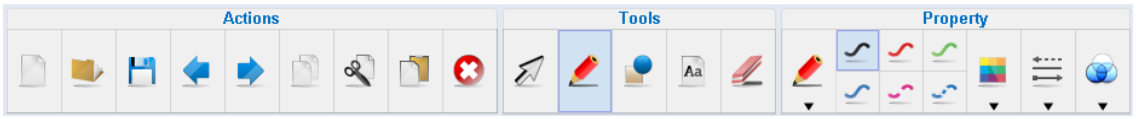
In the default page layout, there will be 6 different areas. The Drawing zone will be in the middle of the window. The Menu bar and Toolbar on the top contain most of the functions in the software. The Property window will show contents relative to the selection on the Navigation bar, providing different information and settings. The Bottom Tray bar will provide the quick access of page property setting and zooming.
You can switch the Toolbar to be placed at the bottom side. The Navigation bar and the Property window can also be switched to the right side too. You can even hide the Toolbar, Navigation bar and Property window by clicking on them in View on Menu bar.



A: Menu bar
B: Toolbar
C: Navigation bar
D: Property window
E: Drawing zone
F: Bottom Tray bar

Toolbar

In TB Comenius v6.0 the Toolbar can be fully customized. Some tools are already displayed at the toolbar by default, while some are hidden. The toolbar are separated into 3 parts – Actions, Tools and Property. Simple right click on the Toolbar allows you to customize it. See also page 35.

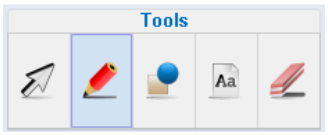


Actions bar

This area provides the basic functions. It is also able to add the shortcuts of other software in the Actions bar.

Tools bar

Tools bar store all of the useful tools including the Pen tools, Geometry tools, Erasers….



Property bar

The Property on Toolbar varies with different Tools. It provides quick access for changing the pen, line properties, color and other specific modification related to the tool selected.

Main Toolbar

Actions Bar

Icon	*Functions*	*Description*
	New Document	Create New Document
	Open Document	Open Touch Board Document (*.tbd)
	Save Document	Save Document, document can be saved in Multi-touch file format (*.tbdx)
	Undo	Allow user to undo
	Redo	Allow user to redo
	Copy	Copy written line, words, pictures, or selected objects…
	Cut	Cut lines, objects, or selected object…
	Paste	Paste written line, text, pictures or objects…
	Clear all	Clear all in the page

Tools Bar

	Select object	Select object / Resize /Rotate
	Marker	Draw lines and write words
	Geometry	Geometry such as line, curve .triangle, rectangle, ellipse…
	Input text	Insert text
	Eraser	Select erase (shape and size)to erase object

Property Bar

The Property on Toolbar varies with different Tools. It provides quick access for changing the line properties and other specific modification related to the tool selected.

Marker

	Icon	Functions	Description
Marker		**Marker**	Draw lines and write words
		Laser Pen	Laser Pen for presentation
		Brush Pen	Brush marker
		Highlighter Pen	Highlighter Pen for emphasis
		Flat Pen	Flat Pen
		Smart Pen	Turn an irregular into a regular one. If you draw a circle, it will be a regular circle.
		2 colors	Two users can draw with two different colors simultaneously
		4 colors	Four users can draw with four different colors simultaneously
		Black Line	Black color of Line
		Red Line	Red color of Line
		Green Line	Green color of Line
		Blue Line	Blue color of Line
		Purple Dashed Line	Purple color of Dashed Line
		Blue Dotted Line	Blue color of Dotted Line
		Line Color	Choose color of Line
		Line Style	Line Style
		Transparency	Set Transparency of a Line

Geometry

	Icon	Functions	Description
Geometry		**Triangle**	Triangle
		Rectangular triangle	Rectangular triangle
		Square	Square
		Round Rectangle	Round Rectangle
		Circle	Circle
		Half Circle	Half Circle
		Obtuse Triangle	Obtuse Triangle
		Isometric Triangle	Isometric Triangle
		Rectangle	Rectangle
		Diamond	Diamond
		Ellipse	Ellipse
		Trapezoid	Trapezoid

Input text

	Icon	Functions	Description
Input text	Aa	**Bold**	Bold text
	Aa	**Italic**	Italic text
	Aa	**Underline**	Underline the text
		Align left	Text left alignment
		Align center	Text will be center alignment
		Align right	Text will be right alignment
		Text color	Choose color of a text
		Transparency	Set Transparency of a text

Eraser

	Icon	Functions	Description
Eraser		**Rectangle shape of eraser**	Rectangle shape of eraser
		Small size	Regional eraser
		Middle size	Middle size
		Large size	Large size

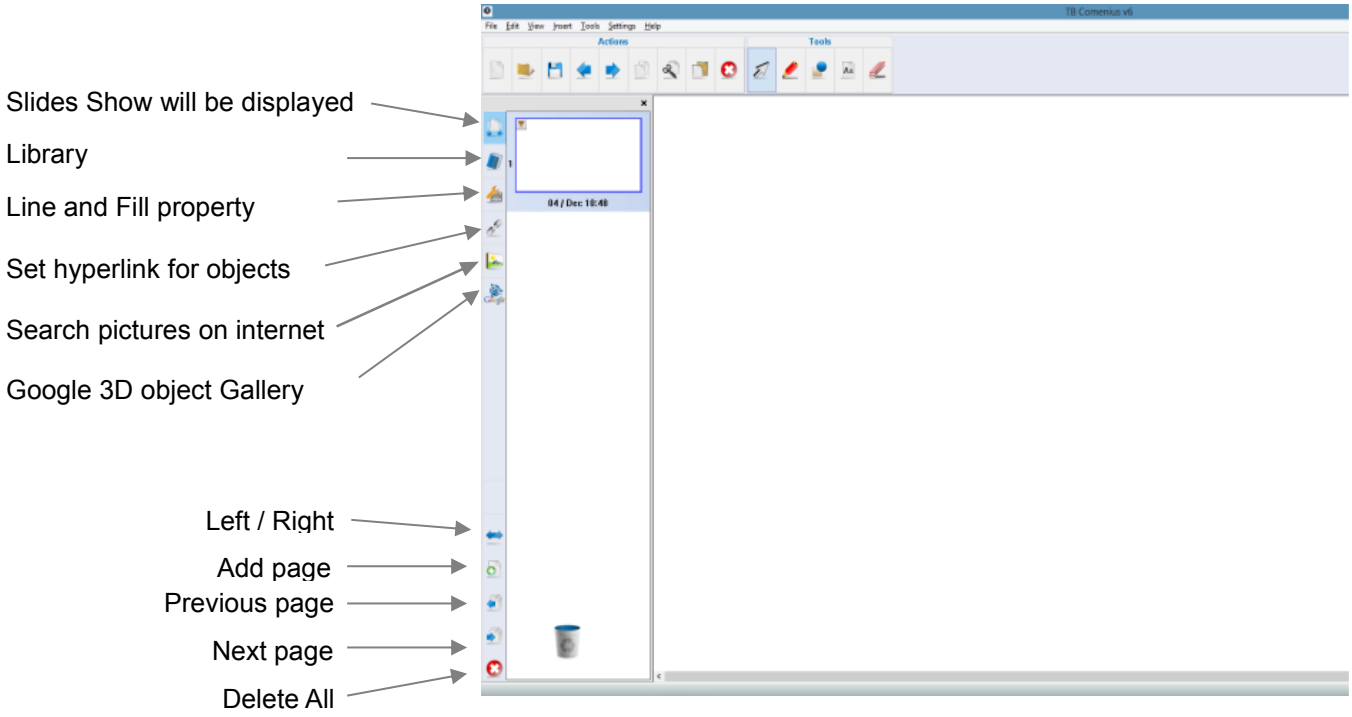
TB Comenius Lite

After installation there will be an icon on the desktop . Click on this icon to show the Lite version of the TB Comenius software.

TB Comenius Lite

Icon	Functions	Description
	Windows	Switch to Windows
	Background	White background
	Marker Pen	Marker Pen
	Hand Writing Recognizer	Hand Writing Recognizer Pen
	Flat Pen	Flat Pen
	Eraser	Eraser
	Line	Line thickness
	Color	Switch Black, Red, Green or Blue Color
	Clear all	Clear whole page words, objects..
	New	Create New Document
	Save Document	Save Document, document can be saved in Multi-touch file format (*.tbdx)
	Open Document	Open Multi-touch Document (*.tbdx)
	New Page	Add new page
	Delete Page	Delete current page
	Zoom in	Zoom in page and objects
	Zoom out	Zoom out page and objects

Navigation Bar



Inserting materials within TB Comenius 6.0

You can insert different materials within the TB Comenius 6.0, enriching your documents full of attractive contents.

Inserting existing multi-media files

You can insert existing Multi-media file into the document using corresponding tools. Click on the Insert in Menu bar and then choose the file you want to insert.

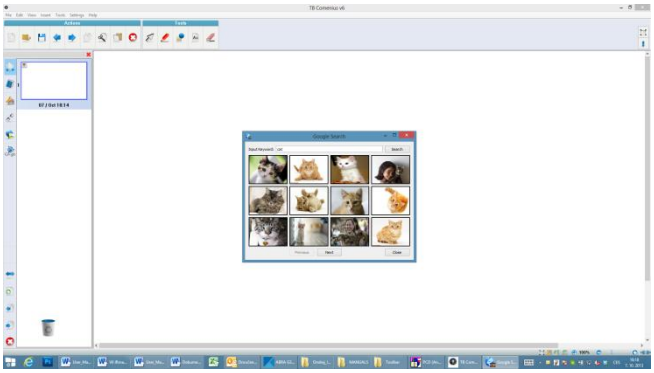
Inserting Image	***Inserting flash***	***Inserting sound***

Inserting new multi-media files

You can insert new contents from different sources.

Insert image from Google search

By the help of Google image search on the Navigation bar, you can immediately get access to the internet and search for whatever image you want. Just fill „Input Keyword“ with requested word and press „Search “ button. Double click or drag the image into the drawing zone to insert the image.

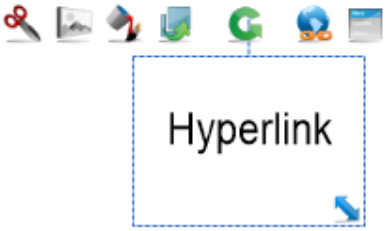


Inserting other contents

There are some other contents which can also be inserted into the document.

Hyperlink

You can add hyperlink to any object. You can link to a webpage, a page in the document or a local file. Click on the Hyperlink tool to pop up the Hyperlink setting page.



1 URL

Link directly to a specific webpage:

- input website.
- choose launch type.
- click “ok”.

2 Page

Link to a specific page within your document:

- select the page you want to link
- select type of launch type
- click “ok”

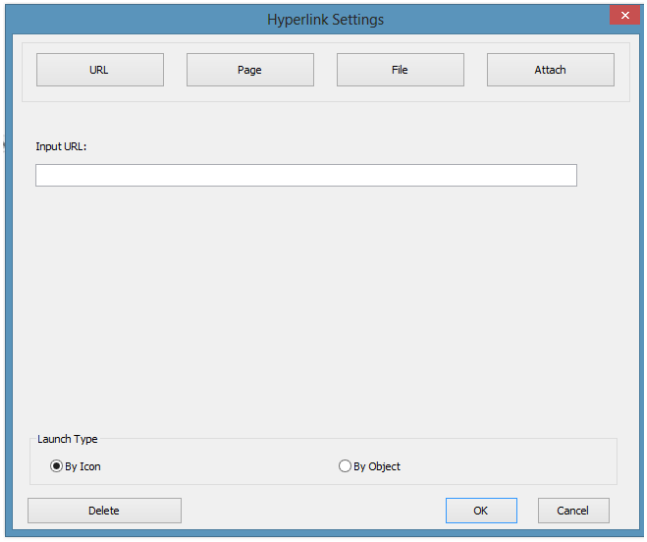
3 File

Link to a specific local file:

- select file you want to link.
- choose launch type.
- click “ok”

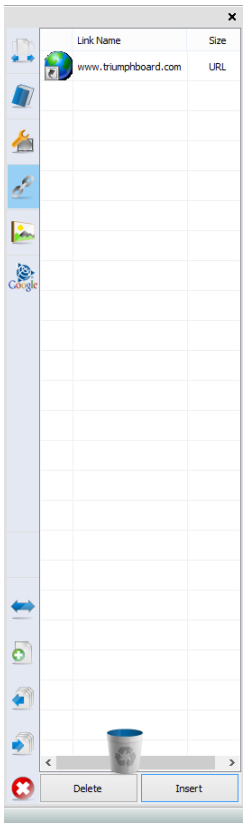
4 Attach

Use the Hyperlink that organized in the Hyperlink Manager

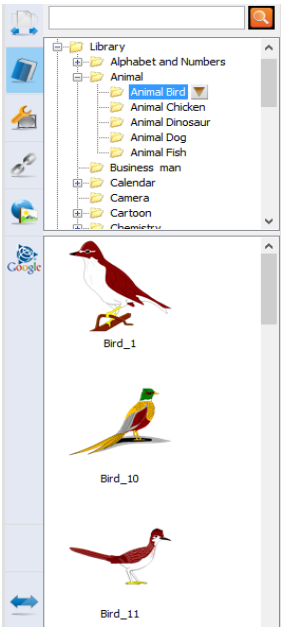


Hyperlink manager

You can click on the Navigation bar to enter the page of Hyperlink manager. In Hyperlink manager, you can edit and manage your hyperlink. You can insert a new link into the manager first, and call it out when you are setting the hyperlink of objects. You can also delete links easily in the manager.



Library



You can access the library in the Navigation bar.

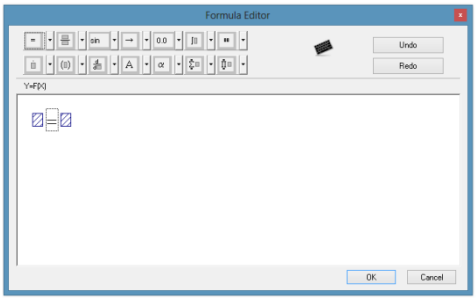
Library includes images, flash video, template and background covering subject of mathematics, chemistry physics and sports. To use library, just drag and drop requested object.

Library database can be expanded by adding additional image/flash files.

Just click on the menu list of the object and select “Save to gallery” to save your file into the personal library. You can also create new folder in the personal library, and import images into the folder directly.

You can even search in Library folders just clicking on the

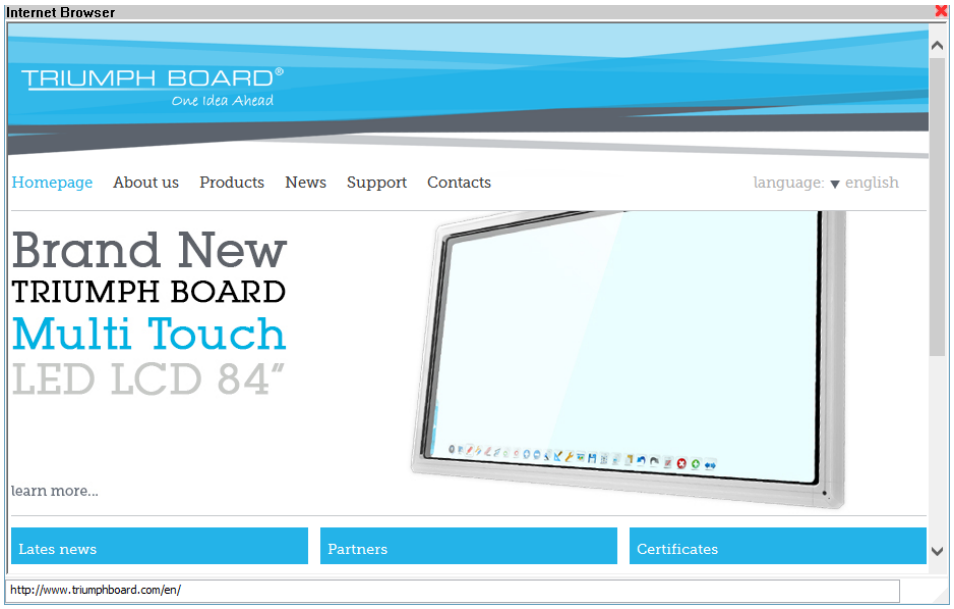
Inserting Formula



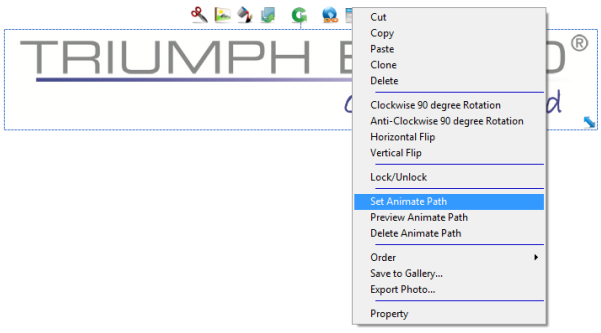
With the help of the Formula editor, you can insert the Mathematic formula easily The Formula editor allows you to insert complicated formulas into the documents. You can also change the font, size and color of the words in the setting page.

Web Browser

You can display a web page inserting a link you want.



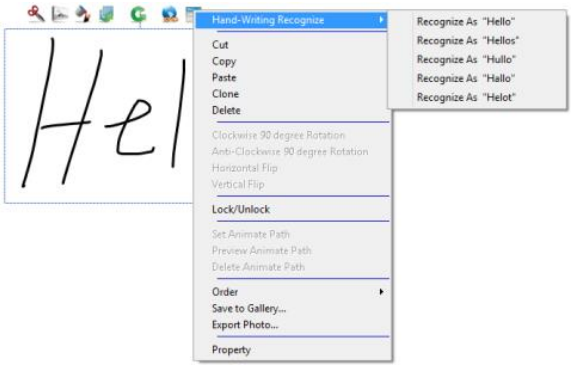
Inserting an animate path



You can now insert an animate path to an object. The object will move along the animate path at the end of Playback.

To set the animate path, just right click on the object and select “Set animate path”, then click and drag the path. The speed of dragging also affects how fast the object will move. After you create the path, a grey dotted line will appear showing the animate path. You can preview it or even delete it if you want. You can even preview it in View menu – Playback.

Hand writing recognition

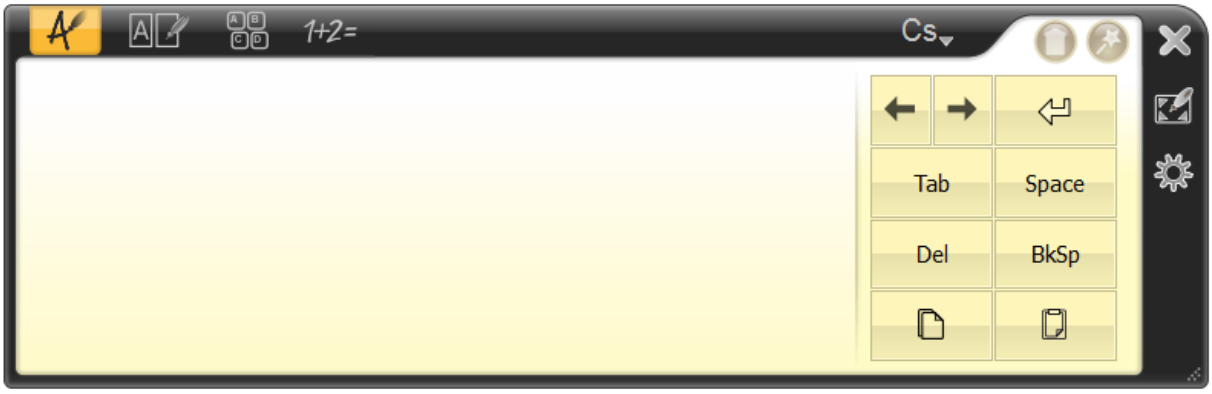


In TB Comenius 6.0, you can convert your writing into text format by the Hand writing recognition. Except using the hand-recognizer pen, you can also select the words to be recognized, and click on the Menu icon to choose the word you want.

Note:

For Windows XP, please make sure to install the Handwriting recognition package to support the function.

All TRIUMPH BOARD Interactive Whiteboards are equipped with the best in class handwriting recognition software MyScript Stylus and this premium software can be used optionally with any kind of text box. con of this software wills pop-up automatically.



See also the MyScript Stylus user guide (help file) in MyScript Stylus CD.

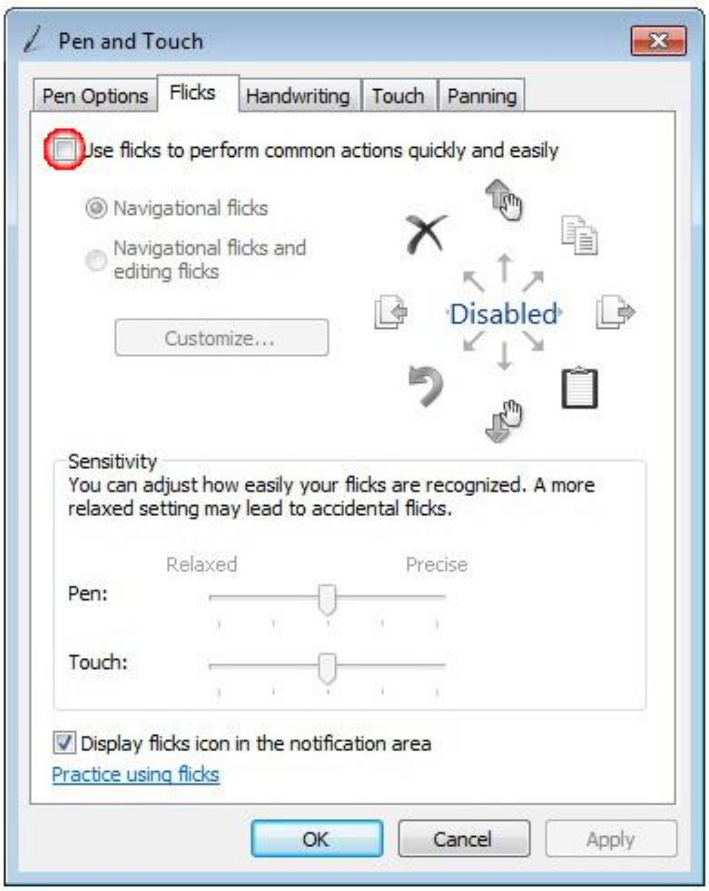
Turning off the Touch keyboard in Windows

Active Touch keyboard feature in Windows can interfere with MyScript Stylus. We recommend you to deactivate Windows Touch keyboard to use it properly:

1. Click on “Start” and choose “Control Panel”
2. Search and click on “Tablet PC settings”
3. Choose “Other”
4. Click on “Go to Input Panel Settings”
5. In “Opening” tab uncheck:
6. For tablet pen input, show the icon next to the text box
7. Use the Input Panel tab
8. Click OK

Turning off the Flicks function in Windows

Active Flicks feature in Windows can interfere with MyScript Stylus. To disable this feature, use the following procedure: Start button-> Control Panel - > Pen and Touch -> Flicks and uncheck “Use flicks to perform common actions quickly and easily.”



Editing the object

You can edit all the objects in your documents. Before editing, please select the object first using the Select tool You can select a group by dragging an area or selecting an object by clicking on it.

Icon	Description	Icon	Description
	Cut		Image Editor
	Line and Fill property		Clone
	Rotate		Hyperlink
	Menu list		Adjusting size

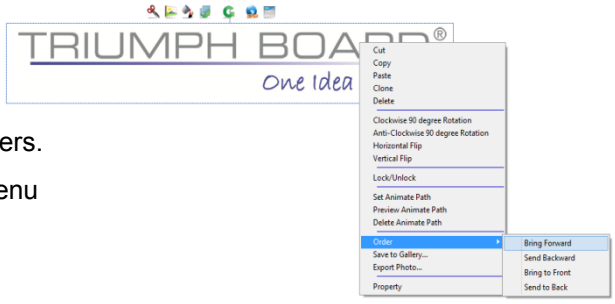
After selecting the object, you can do some basic editing immediately, e.g. resize, rotate or moving the objects.
You can also use a gesture.

If you click on the Menu list, you can find the “90 degree rotation” and “flipping”. Also “show/hide angle” will be found on Triangle and Parallelogram. You can enable/disable and angle so angle will be no longer shown on the object.

Cut ***Copy*** ***Paste*** ***Clone***

Cut, Copy and Paste are common and useful tools for editing the images. When you cut an object, the image will disappear and saved in the memory. Unlike the Cut, Copy will save the object without deleting it. You can paste the object to the document once you cut it or copy it. Clone is a new function in v6.0, which allows you to copy and paste an object immediately once you click the tool.

Adjusting the Order

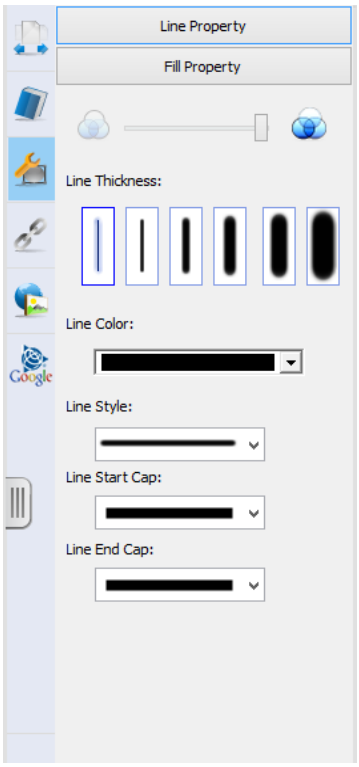


You can adjust the order to show the effect of different layers.
You can click on the Menu list and change it in the sub-menu “Order”.

Line and Fill Property

You can adjust the Line property and the Fill property from the Navigation bar. This window will provide more setting than the fill tool or line tool – change the line thickness, color, style… or you can even set transparency of object.

Line property



Fill property

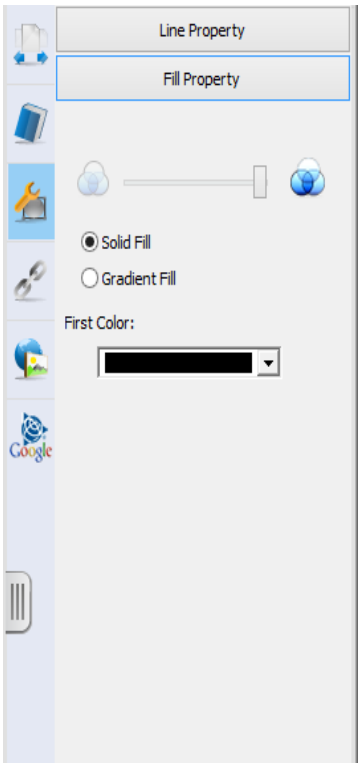
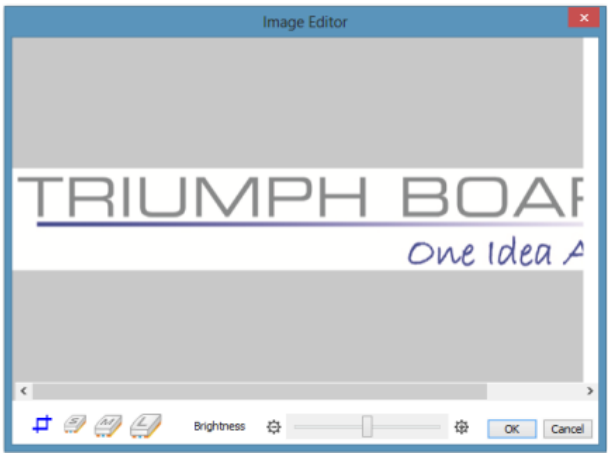


Image editor

Image can be edited with more setting in the Image editor.

When you select a specific image, click on the Image editor, the editing window will pop up. You can adjust the brightness, crop or erase part of the image. Press “ok” to confirm.



Erasing the Object

In TB Comenius 6.0, there are 2 types of erasers. They are the Normal erasers and the Area eraser.

The normal erasers have 3 different sizes (, , which can only erase the drawing of pen tools (except smart pen and hand-writing recognizer pen)..

The area eraser can erase all of the things by selecting a specific area on the drawing zone.

Besides you can drag the object into the trash bin to delete it.

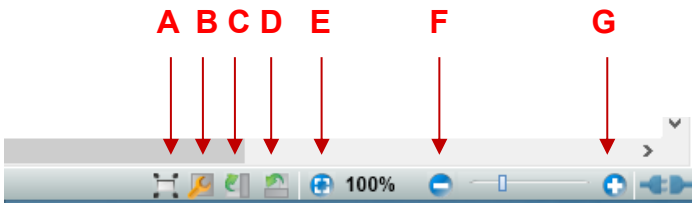
You can also select the object you want to erase and use the Delete function .

Clear page can be used if you want to delete all the contents on the page.

View and page setting

Page View

There are different kinds of viewing styles:



A: Full screen
B: New Page property
C: Rotate 90 degree clockwise
D: Rotate 90 degree anti-clockwise
E: Zoom reset
E: Zoom out
G: Zoom in

Zooming

The Bottom Tray bar provides quick access of the zooming function. Adjust the zoom with / and resume to a normal view by the zoom reset .

Full screen mode

You can toggle on the Full screen mode for a bigger drawing area. In Full screen mode, you can still to use most of the tools for drawing. You can also switch quickly between other programs and the TB Comenius 6.0 software.

A: Switch to Windows B: Toggle white background C: Select tool D: Pen tool E: Previous page F: Next page	G: Create a new page H: Delete selected object I: Clear page J: Tools menu K: Exit full screen

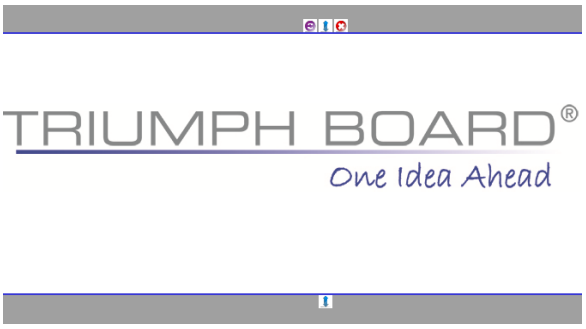
Present view

The Present view is a simple but useful tool for viewing the whole document. You can go to different slides easily. While presenting, you can still use the Highlighter pen to draw lines on the slide and you can save it back in the document after it. In Present view you can use the gesture to move along the slide. Simply click on the Select tool and perform the gesture.

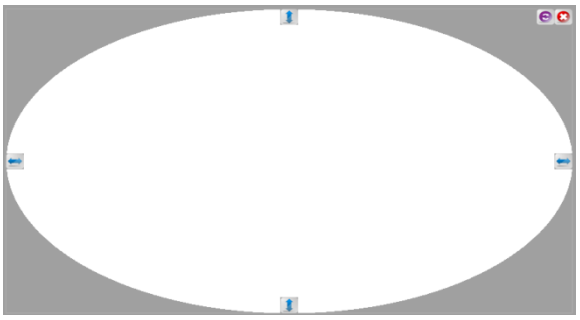
Curtain and Spotlight

Curtain and Spotlight are similar tools which use for emphasizing the target area. You can adjust the size or location by / and rotate it by . Curtain will provide a rectangular area while the Spotlight will provide a circular area.

Curtain



Spotlight



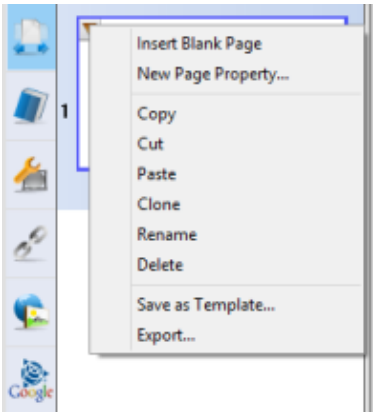
Page setting

Page list

The Page list in the Navigation bar shows all the pages you created in the document. You can edit the pages here e.g. copy and paste pages, switch the page order, and change the name of the page…. clicking on icon.

New page property

You can select the New page property at the Bottom Tray bar, or in the quick menu of page list.
By default, the new pages will be set as the same resolution as your computer setting. You can change it to A4 size or to 4:3 / 16:9 / 16:10 ratio.
The setting is valid from a new page.

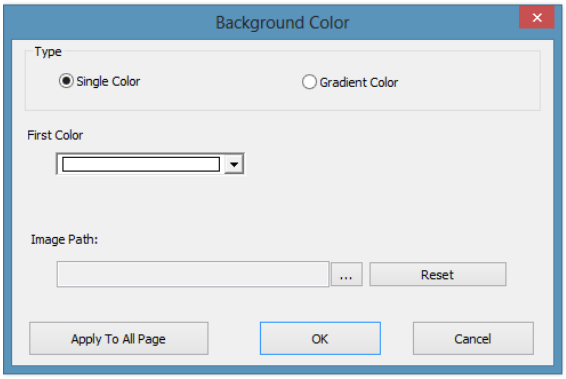


Rotate the document

Besides the ratio and sizes of the document, you can also rotate the page 90 degree clockwise and anti-clockwise at the Bottom Tray bar or simply right click on the drawing zone and click on “Rotate Clockwise” or “Rotate Anti-clockwise”.

Background color

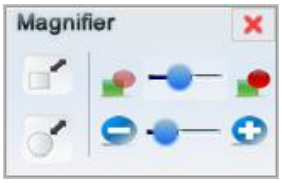
You can set up the background color of the page.
Right click on the drawing zone and select the “Background color”.
You can fill with Single color, Gradient color or even with a chosen image file by clicking on “Image Path”.

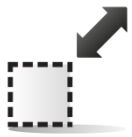


Other Tools

Magnifier

Using the Magnifier tool can focus on a small part with Magnifier. You can adjust the power of magnifier, size, shape and the transparency outside the area.



	Icon	Functions	Description
 *Magnifier*		**Rectangle Magnifier**	The shape of magnifier is rectangle
		Transparency	Adjust the transparency of the background
		Ellipse Magnifier	The shape of magnifier is ellipse
		Zoom in / zoom out	You can zoom in or zoom out magnifier

Playback

The Playback tool can replay your drawings done on whole page. You can adjust the speed of the replay during the play. If you have set the animate paths, they will also be shown at the end of the playback.

Document camera

You can use the Document camera tool with the Document camera device (optional) or other camera devices (web camera or laptop built-in camera) connected to your PC. Select the proper device from the list of camera available in your computer. You can perform e.g. drawing, zooming, screen capture…

	Icon	Functions	Description
Document camera		**Move page**	Move whole page
		Marker Pen	Draw lines and write words
		Smart Pen	Turn an irregular shape into a regular one. If you draw a circle, it will be a regular circle.
		Erase	Erase marker notes
		Red	Red color
		Green	Green color
		Blue	Blue color
		Yellow	Yellow color
		Minimalize	Minimalize camera to Windows tray
		Zoom in	Zoom in screenshot area
		Zoom out	Zoom out screenshot area
		Zoom in / zoom out	Enlarge or reduce area
		Rotate	Rotate a picture clockwise
		Screen Capture	Screen capture of camera
		Video settings	Video settings for Document Camera

Video Player

With the help of Video Player, an watch most of the videos on the computer. Click to open an existing video in the computer, and then click on play. You can also draw on the screen and capture the screen immediately into the document. You can double click on the video player to switch on full screen.

	Icon	Functions	Description
Video Player		**Open media document**	Open multi-media file (*.avi, *.mov, *.mpg, *.mpeg, *.m1v, *.wmv, *.swf, *.wav, *.mpa, *.mp2, *.mp3, *.au, *.aif, *.aiff, *.snd, *.mid,. *.midi, *.mi, *.jpg, *.bmp, *.gif, *.tga)
		Voice	Voice on/off
		Backward	Fast backward
		Play	Begin to play media
		Fast forward	Fast forward media
		Stop	Stop play media
		Screen Capture of video	Screen capture of video
		Marker	Draw lines and write words
		Erase	Erase marker notes
		Red	Red color
		Green	Green color
		Yellow	Yellow color
		Minimalize	Minimalize player to Windows tray
		Close	Exit media player

Screen Record

You can record a video from the screen using the Screen record tool.

You can select Full screen record or Area screen record

Once you click on one of the record buttons, recording will start immediately. You can pause, resume or stop recording.

After stopping the recording, you will need to choose the location for saving a file. You can play the video directly on the tool after saving it.

At the bottom, you can adjust the setting of the Screen Record. You will need a microphone connecting to the PC if you want to toggle on the audio recording.

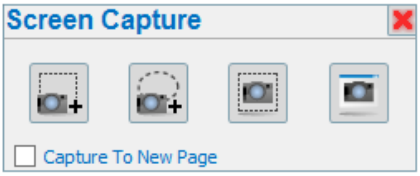
Icon	Functions
	Toggling on/off Audio Recording
	Setting of Recording hotkey
	Adjusting the Recording video quality

Screen Capture

You can insert a screen capture immediately into your documents.

You can choose the 4 way to capture the screen.

Also, you can choose to insert the image into a new page if you want.



	Icon	Functions	Description
Screen Capture		**Regional screenshot**	Capture a selected area
		Irregular screenshot	Capture and area according to your selection
		Full screen Capture	To capture a full screen
		Windows Capture	To capture a window
		Exit	Exit screen capture

Text Speaker

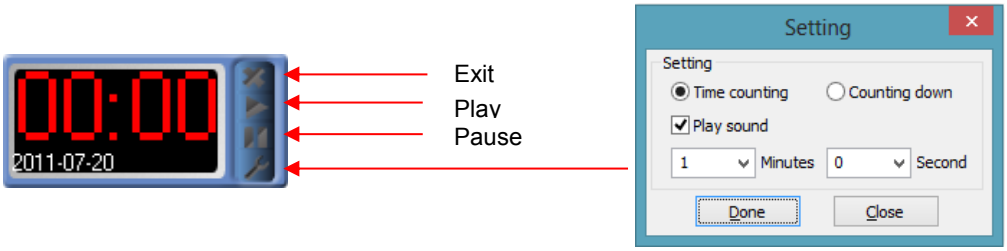
The Text speaker can pronounce the words you placed in the document. It supports multi – language. Click on the text after clicking on Select tool and it will automatically pronounce the text.

The pronounced language depends on the OS setting. In Windows, you can set it in Control Panel - Speech Recognition - Text to Speech. You can choose various voices and adjust the voice speed.

Timer

You can use the timer to count down/counting the time.

You can set the time of counting and play a sound after the time is up.



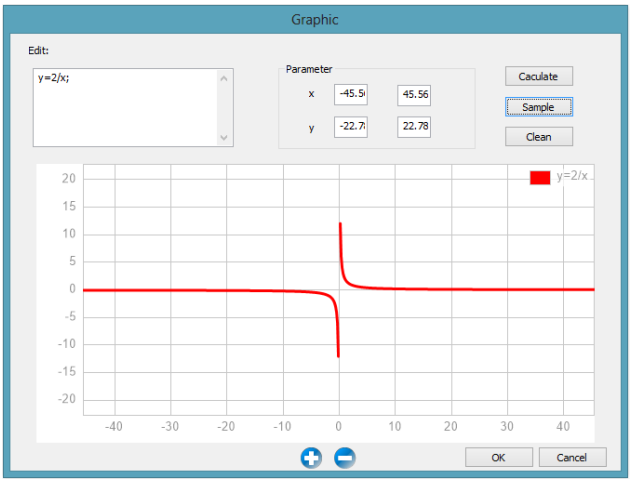
	Icon	Functions	Description
Timer		**Exit**	Exit timer
		Play	Begin counting
		Stop	Stop time counting
		Setting	Set the time, manner, and time

Math Function

You can draw curve graph using the Math Function.

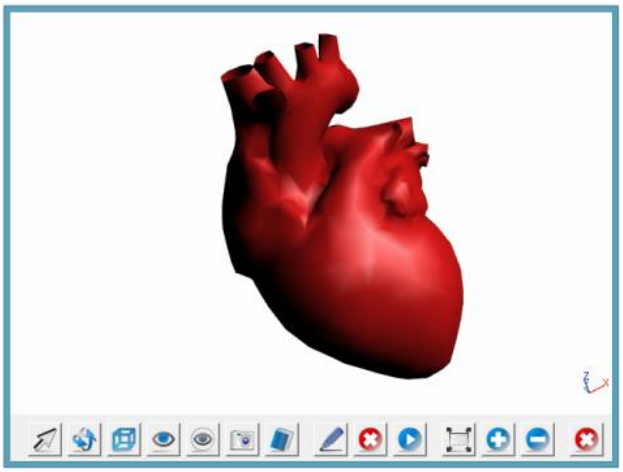
You can enter your own formula inside the edit area and set the parameter of X and Y. You can also use of the preset formulas clicking on Sample to generate some common graph quickly.

You can also adjust the scale, and place of the curve.



3D Tool

The 3D tool supports viewing of the 3D Model contents. The tool allows you to move, rotate, and zoom in/out to view the 3D object. It can enable the display mode to rotate the objet in a slow and stable speed. You can use Screen capture and the model will insert into the document automatically, and double click it will let you resume to the 3D tool again.



	Icon	Functions	Description
3D Tool		**Select**	Select 3D object
		Turn	Turn with 3D object
		Line Mode	Shows lines of 3D object
		Show all	Shows all hidden parts of 3D object
		Show selected	Shows selected part of 3D object previously hidden
		Hide selected	Hide selected part of 3D object
		Screen capture	Screen capture of 3D object
		Input to Gallery	Ask to input an item name and then save 3D object into My Library folder
		Marker Pen	Marker pen
		Clear	Clear marker drawings
		Play/Stop	Start/Stop rotation of 3D object along the Z axis
		Full screen	Switch to full screen
		Zoom in	Zoom in an 3D object
		Zoom out	Zoom out an 3D object
		Exit	Exit 3D Tool

Ruler, ***Protractor,*** ***Compass***

You can draw with the help of the Ruler, Protractor and Compass. Just draw on the edge of Ruler, Protractor or Compass and the drawing line will follow the edge of them.

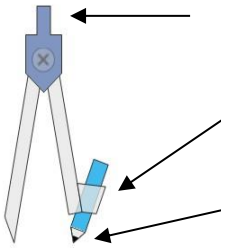
Ruler

	Icon	Functions	Description
Ruler		**Setting or exit**	You can set the unit, transparency of the ruler or exit ruler.
		Rotation	Rotate ruler
		Zoom in / zoom out	Enlarge or reduce ruler

Protractor

	Icon	Functions	Description
Protractor		**Zoom in / Zoom out**	Enlarge/reduce protractor
		Exit	Exit protractor
		Rotation	Rotate protractor
		Angle	Read angle

Compass



Portable the top of compass to resize compass (enlarge & reduce).

Portable the right arm of compass to adjust radius of circle to be drawn.

Portable the “pen-tip” area then move, circle will be drawn.

	Icon	Functions	Description
Compass		**Rotation**	Compass rotate
		Zoom in / zoom out	Enlarge or reduce compass
		Exit	Exit compass

File management

Save

You can save the file after your editing. The software has an auto save function which prevents you losing your file accidently. You can find the Auto save setting at “File – Auto-Saving Settings” in the Menu bar. The “Save and Send Mail” can allow you to save a file and send it using email immediately.

Save as template

You can save a page as a template, so that you can load the file immediately at “My Template” in the Library.

Open

You can open previous edited file by “Open”. The “Recent file” provides the quick access of the last 5 edited files so you can click on those files and open it easily.

Import and Export

TB Comenius v6.0 software supports most of the file formats, including the most popular “iwb” format which is a universal file format for interactive whiteboards. You can open those files using the “Import” function. Besides, it supports following file extensions: *.doc, *.docx, *.pptx, *.xls, *.ppt, *.pdf, *.notebook.

If you want to save the file into other format, you can use the “Export” function.

It supports following file extensions: *.pdf, *.doc, *.iwb, *.tiff, *.html, *.svg, *.jpg, *.bmp, *.png, *.avi, *wmv, *.mpeg, *.swf.

Settings

On the Setting menu in the Menu bar, you can set the following items in the software.

Change language

You can change the language of the software. There are 26 available languages.

Hand-writing language

You can change the language of the Hand-Writing Recognizer here. It depends on OS Windows’s settings.

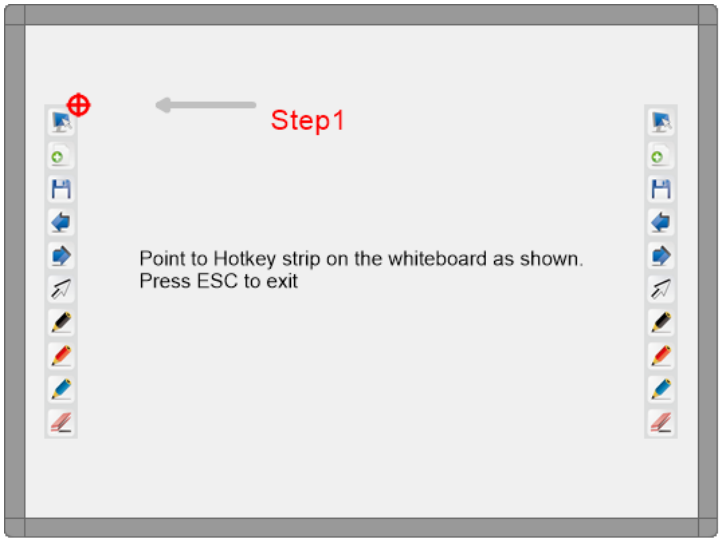
Calibration Hotkeys (require Hotkeys strips)

You need to calibrate the hotkey if you want to use them. Follow the steps on the screen to complete the calibration.

20 hotkey features is available for user to setup.

1) Click on Setting in Main program menu and choose Calibration Hotkeys

2) Use finger or stylus to point Hotkey strip icons according to red target.



Note: You can change a Hotkey Size in menu Settings – Option. You can select 2x2 for small Hotkey Strip or 5x5cm for big Hotkey Strip. See also next page.

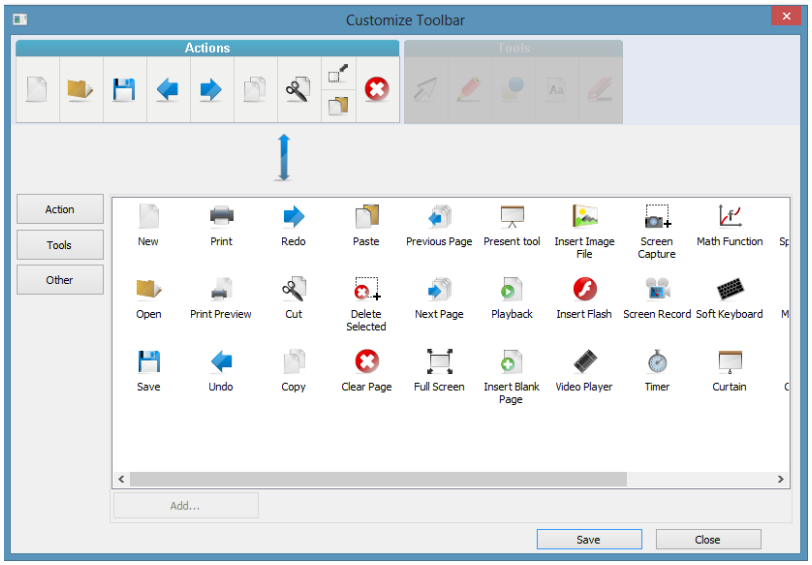
Select User Profile

You can save the Toolbar setting for various users under “Select User Profile” so you can switch between them quickly.

Toolbar setting & Lite version Toolbar setting

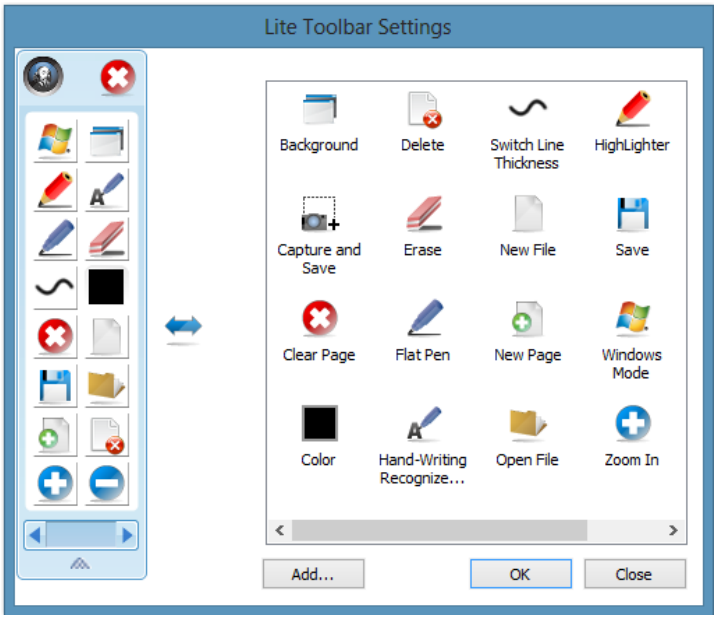
You can set up both the Lite and Full version Toolbar here.

For Toolbar setting you can also use right-click on Toolbar shows a Customize Toolbar window:



You can simply drag and past a tool you want to add into the *Action* or *Tools* menu bar.
You can also add you own shortcuts, clicking on “Other” and then “Add…” You can add an *.exe file extension for third-party programs.

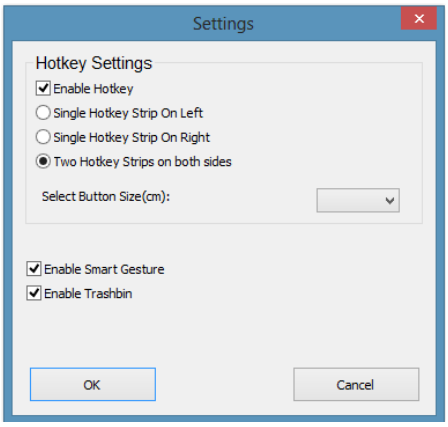
For Lite Toolbar a following Window will appear:



You can simply drag and past any tools you want from right window and to add them into the Lite Toolbar.
You can also add you own shortcuts, clicking on “Other” and then “Add…” You can add an *.exe file extension for third-party programs.

Option

In Option, you can toggle on/off some of the functions in the software.



You can enable hotkeys if you want to use them. You can set the position of hotkey strip and the correct button size.
You can also enable/disable the Smart gesture.

Repair Service and Contacts

Please contact your local supplier for the warranty and technical service or find all warranty conditions and service partners on our website **www.triumphboard.com**. For any questions please email us to **info@triumphboard.com**

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